

MARICOPA COUNTY INFLUENZA SUMMARY UPDATE
WEEK 46 (11/11/07-11/17/07)

- **Case Count: No lab-confirmed cases reported (through Week 46)** (Please see definition of "lab-confirmed" influenza provided below.)
- **Pneumonia & Influenza Mortality: 4.70% of all deaths were due to pneumonia or influenza (all of Maricopa County, Week 46)** (MCDPH Office of Vital Statistics)
- **Influenza-Like Illness:**
 - **Cigna Health Centers (n=20): 0.19% of visits due to ILI** (provisional data; subject to change as updated information becomes available)
 - **Hospital Emergency Departments (n=9): 1.15% of visits due to ILI**
- **Absenteeism, Elementary & Jr. High Schools (n=23): 12.87% of students absent due to illness**

Lab Surveillance

At the time of this report, no lab-confirmed cases of influenza have been reported (through Week 46).

"Lab-Confirmed" Cases: Cases confirmed by culture or PCR are considered to be "lab-confirmed" regardless of seasonal timing. After the first culture-confirmed or PCR-confirmed case of the season has been reported in Maricopa County, cases confirmed via DFA or rapid test will also be considered "lab-confirmed".

*Counts for the most recent weeks of the 07-08 season may increase as additional cases are reported.

Pneumonia & Influenza Mortality Surveillance

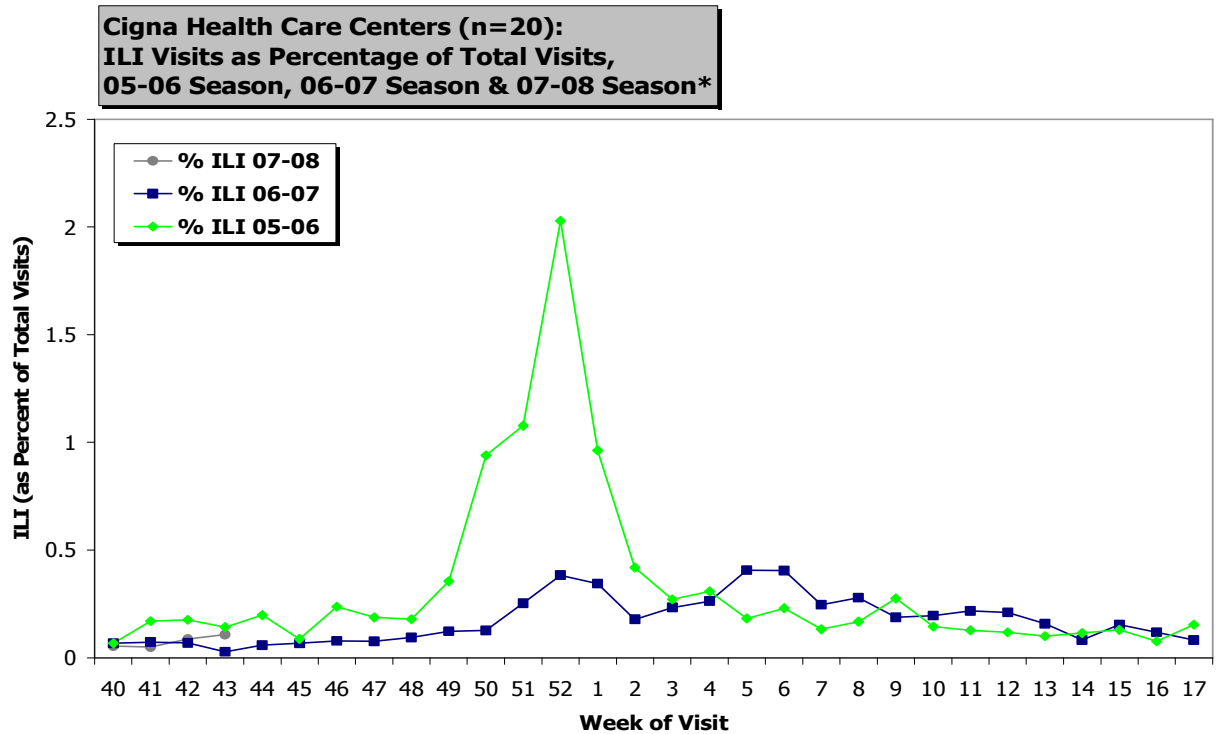
For Week 46 (11/11/07-11/17/07), the MCDPH Office of Vital Statistics reported that of all deaths, the percentage due to pneumonia or influenza was 5.50% for the City of Phoenix, 4.20% for Maricopa County less the City of Phoenix, and 4.70% for all of Maricopa County.

Influenza-Like Illness (ILI)* Surveillance (Cigna data only available through week 44)

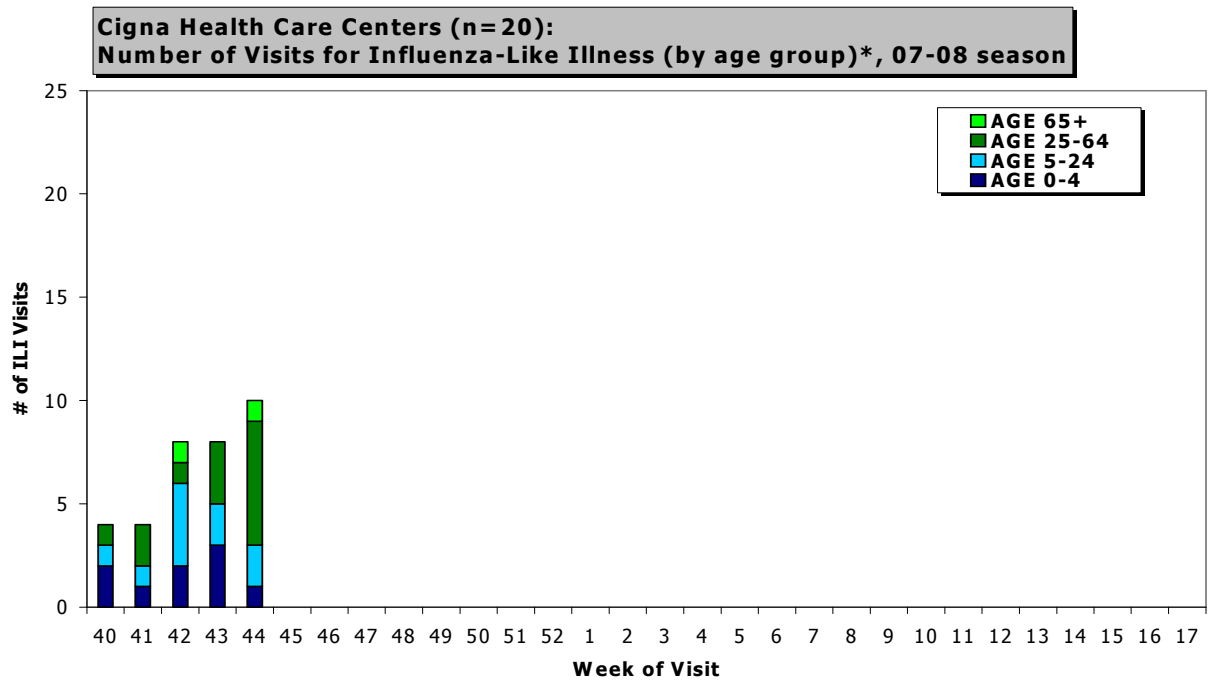
*ILI case definition: fever (at least 100°F) AND cough and/or sore throat.

- During Week 44, 0.19%* of patient visits to Cigna Health Care Centers (data from 20 centers, six departments) were due to ILI. During Week 44 of the two previous seasons, 0.06% (06-07) and 0.20% (05-06) of patient visits to Cigna Health Care Centers were due to ILI. (*Provisional data; may change in subsequent reports as updated information becomes available.)
- The percentage of ER visits for ILI (data from 8 hospitals) was 1.06% for Week 46. ER ILI percentages for Season ranged from 0.39% to 1.26%.

Influenza-Like Illness (ILI)* Surveillance

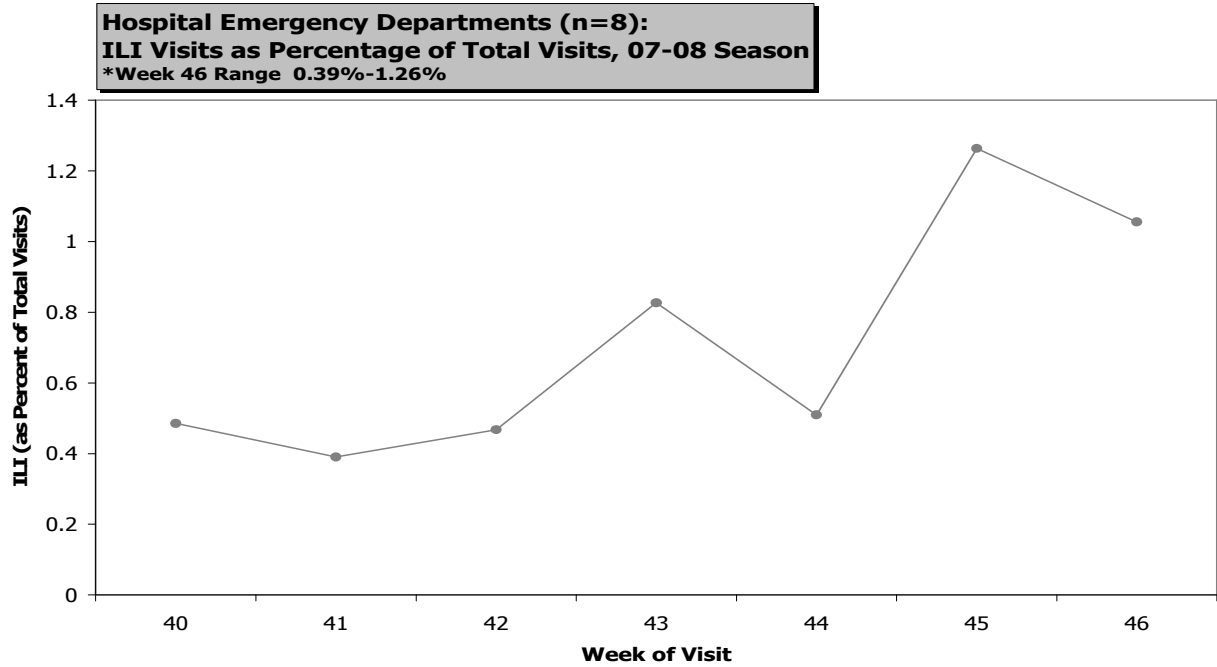


*Data for Weeks 40-44 of the 07-08 season is provisional and may change in subsequent reports as updated information becomes available.



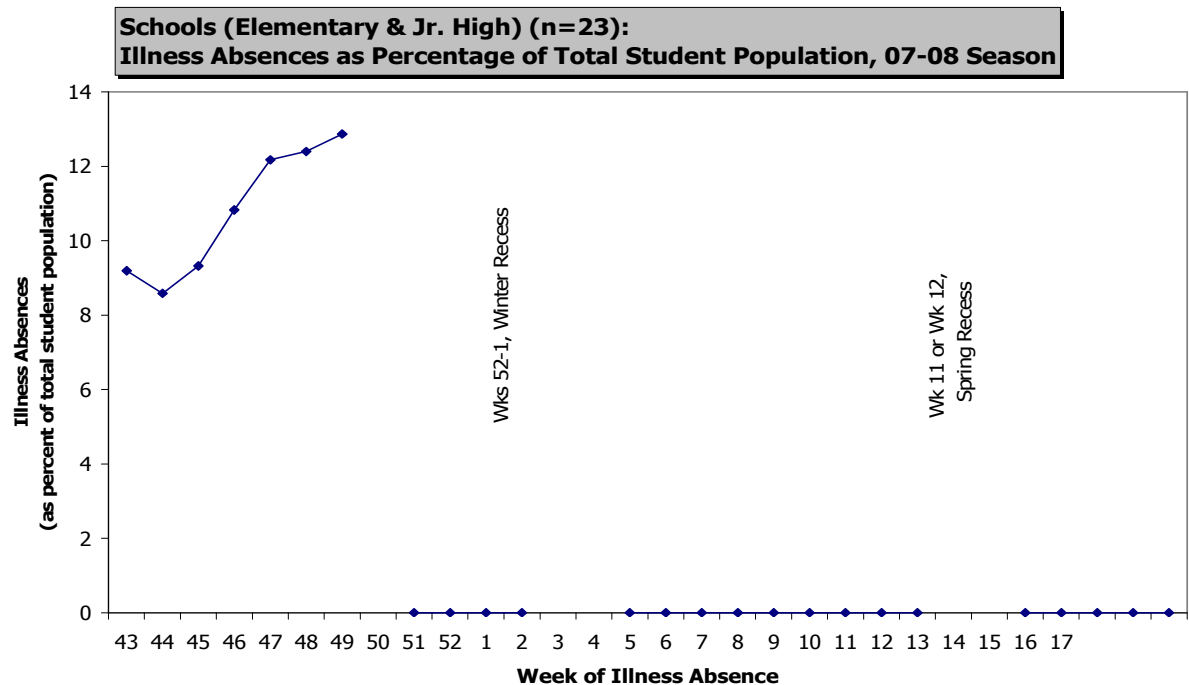
*Data for Weeks 40-44 of the 07-08 season is provisional and may change in subsequent reports as updated information becomes available.

Influenza-Like Illness (ILI)* Surveillance



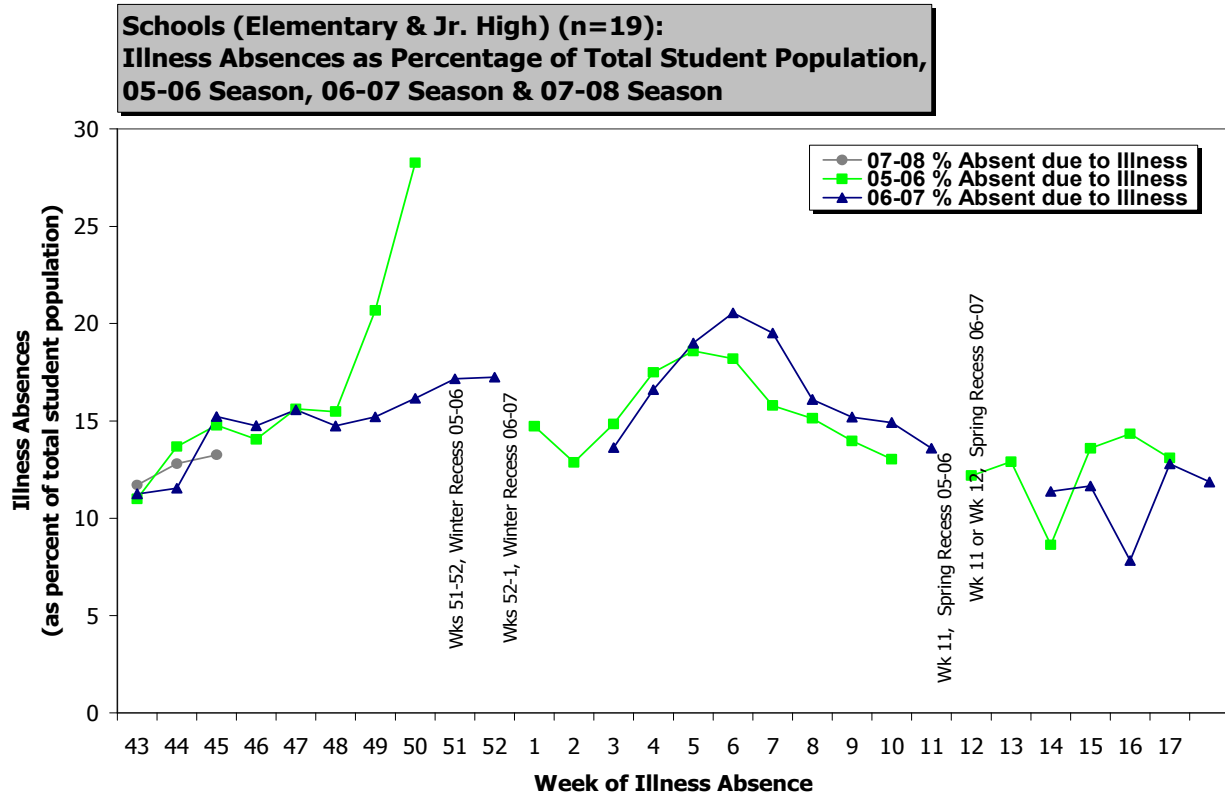
Absenteeism (due to illness), Elementary and Jr. High Schools

- The percentage of students absent due to illness (data from 23 schools) was 12.87% for Week 46.



Absenteeism (due to illness), Elementary and Jr. High Schools

- For 19 of the 23 schools, data is available for multiple seasons. For these schools, the percentage of students absent due to illness was 13.79% for Week 46 of this season. For Week 46 of the two previous seasons, the absenteeism percentages were 15.57% (06-07) and 14.1% (05-06).



Influenza Activity outside Maricopa County

Information on influenza activity outside Maricopa County is available at these sites:

- http://azdhs.gov/phs/oids/epi/flu/az_flu_surv.htm (Arizona Department of Health Services)
- <http://www.cdc.gov/flu/weekly/fluactivity.htm> (CDC)

Due to wide variability between national- and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report.

Please email any questions about this report to Derek Steinke: dereksteinke@mail.maricopa.gov
Report generated: 11/23/07.

Influenza Surveillance Participants include:

Cigna Health Care Centers

Hospital Emergency Departments & Infection Control Practitioners

- Banner Baywood Medical Center
- Banner Desert Medical Center
- Banner Good Samaritan Medical Center
- Carl T. Hayden VA Medical Center
- Del E. Webb Hospital
- John C. Lincoln Hospital - Deer Valley
- John C. Lincoln Hospital - North Mountain
- Maricopa Medical Center
- Mayo Clinic
- Mesa General Hospital
- Phoenix Indian Medical Center
- Phoenix Memorial Hospital
- Scottsdale Healthcare Shea
- Scottsdale Healthcare Osborne
- St. Joseph's Hospital & Medical Center
- St. Luke's Hospital
- Tempe St. Luke's Hospital
- Wickenburg Community Hospital

Schools (listed by school district)

- Deer Valley Unified School District
 - Legend Springs Elementary
 - New River Elementary
 - Park Meadows Elementary
- Gilbert Public Schools
 - Gilbert Jr. High
 - Harris Elementary
- Glendale Elementary School District
 - Burton Elementary
 - Horizon Elementary
- Mesa Public Schools
 - Barbara Bush Elementary
 - Field Elementary
 - Irving Elementary
 - Lowell Elementary
 - Salk Elementary
 - Whittier Elementary
 - Shepherd Jr. High
- Taylor Jr. High
- Morristown Elementary District
 - Morristown Elementary
- Paradise Valley Unified School District
 - Desert Cove Elementary
 - Desert Springs Elementary
 - North Ranch Elementary
- Tempe Elementary School District
 - Bustoz Elementary
 - Gilliland Middle
- Washington Elementary School District
 - Arroyo Elementary
 - Desert Foothills Jr. High
 - Lakeview Elementary
 - Ocotillo Elementary
 - Shaw Butte Elementary
 - Sunburst Elementary
 - Sweetwater Elementary

MARICOPA COUNTY RSV SUMMARY UPDATE
Week 46 (11/11/07-11/17/07)

Respiratory Syncytial Virus (RSV) Lab Surveillance

At the time of this report, there have been no lab-confirmed RSV cases in Maricopa County.
(Through week 46)